WHAT IS CLAIMED IS:

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comprises:

	WINT IS CELEVIED 10.
	1. A method, comprising:
2	processing a prefetch command indicating at least one conditional statement and
3	at least one block to prefetch from storage to cache in response to determining that the
ļ	conditional statement is satisfied.
	2. The method of claim 1, wherein the conditional statement indicates a
2	block that when accessed causes the prefetching of the at least one block to prefetch
3	indicated in the conditional statement, wherein processing the prefetch command
ļ	comprises:
5	generating the prefetch command using predictive analysis techniques to
5	determine blocks anticipated to be accessed if a specified block is accessed, wherein the
7	conditional statements specifies to prefetch the at least one block anticipated to be
3	accessed if the specified block is accessed.
l	3. The method of claim 1, wherein one conditional statements is satisfied if
2	an Input/Output request is directed to a specified block in the conditional statement.
l	4. The method of claim 3, wherein processing the prefetch command
2	comprises generating the prefetch command, further comprising:
3	transmitting the generated prefetch command to a storage controller; and
1	transmitting Input/Output (I/O) requests to the storage controller after transmitting
5	the generated prefetch command, wherein the storage controller prefetches the at least
5	one block to prefetch indicated in one prefetch command in response to determining that
7	the I/O request is directed to the specified block in the conditional statement of one
3	prefetch command.
	5. The method of claim 3, wherein processing the prefetch command further

3	including a duration parameter in the prefetch command indicating a duration of
4	the prefetch command.
1	6. The method of claim 1, wherein processing the prefetch command
2	comprises receiving the prefetch command, further comprising:
3	receiving an Input/Output request directed to a target block;
4	determining whether the target block satisfies the conditional statement of one
5	prefetch command; and
6	prefetching the at least one block to prefetch indicated in the conditional
7	statement of one prefetch command into the cache in response to determining that the
8	target block satisfies the conditional statement of one prefetch command.
1	7. The method of claim 6, wherein determining whether the target block
2	satisfies the conditional statement of one prefetch command comprises determining
3	whether the target block satisfies the conditional statement of one unexpired prefetch
4	command.
1 '	8. The method of claim 1, wherein one conditional statement includes a
2	plurality of branch conditions, wherein each branch condition indicates one block and is
3	associated with at least one block to prefetch, further comprising:
4	prefetching all blocks to prefetch associated with the branch conditions in the
5	conditional statement; and
6	removing blocks to prefetch from cache associated with branch conditions that are
7	not satisfied in response to determining that the block indicated in one branch condition is
8	accessed.
1	9. A system, comprising:
2	a cache;
3	storage; and

4	circuitry capable of performing operations, the operations comprising processing
5	a prefetch command indicating at least one conditional statement and at least one block to
6	prefetch from the storage to the cache in response to determining that the conditional
7	statement is satisfied.
1	10. The system of claim 9, wherein the conditional statement indicates a block
2	that when accessed causes the prefetching of the at least one block to prefetch indicated
3	in the conditional statement, wherein processing the prefetch command comprises:
4	generating the prefetch command using predictive analysis techniques to
5	determine blocks anticipated to be accessed if a specified block is accessed, wherein the
6	conditional statements specifies to prefetch the at least one block anticipated to be
7	accessed if the specified block is accessed.
1	11. The system of claim 9, wherein one conditional statements is satisfied if
2	an Input/Output request is directed to a specified block in the conditional statement.
1	12. The system of claim 11, wherein processing the prefetch command
2	comprises generating the prefetch command, wherein the operations further comprise:
3	transmitting the generated prefetch command to a storage controller; and
4	transmitting Input/Output (I/O) requests to the storage controller after transmitting
5	the generated prefetch command, wherein the storage controller prefetches the at least
6	one block to prefetch indicated in one prefetch command in response to determining that
7	the I/O request is directed to the specified block in the conditional statement of one
8	prefetch command.
1	13. The system of claim 11, wherein processing the prefetch command further
2	comprises:
3	including a duration parameter in the prefetch command indicating a duration of
4	the prefetch command.

1	14. The system of claim 9, wherein processing the prefetch command
2	comprises receiving the prefetch command, wherein the operations further comprise:
3	receiving an Input/Output request directed to a target block;
4	determining whether the target block satisfies the conditional statement of one
5	prefetch command; and
6	prefetching the at least one block to prefetch indicated in the conditional
7	statement of one prefetch command into the cache in response to determining that the
8	target block satisfies the conditional statement of one prefetch command.
1	15. The system of claim 14, wherein determining whether the target block
2	satisfies the conditional statement of one prefetch command comprises determining
3	whether the target block satisfies the conditional statement of one unexpired prefetch
4	command.
1	16. The system of claim 9, wherein one conditional statement includes a
2	plurality of branch conditions, wherein each branch condition indicates one block and is
3	associated with at least one block to prefetch, wherein the operations further comprise:
4	prefetching all blocks to prefetch associated with the branch conditions in the
5	conditional statement; and
6	removing blocks to prefetch from cache associated with branch conditions that are
7	not satisfied in response to determining that the block indicated in one branch condition i
8	accessed.
1	17. An article of manufacture capable of causing operations to be performed,
2	the operations comprising:
3	processing a prefetch command indicating at least one conditional statement and
4	at least one block to prefetch from storage to cache in response to determining that the
5	conditional statement is satisfied.

1	18. The article of manufacture of claim 17, wherein the conditional statement
2	indicates a block that when accessed causes the prefetching of the at least one block to
3	prefetch indicated in the conditional statement, wherein processing the prefetch command
4	comprises:
5	generating the prefetch command using predictive analysis techniques to
6	determine blocks anticipated to be accessed if a specified block is accessed, wherein the
7	conditional statements specifies to prefetch the at least one block anticipated to be
8	accessed if the specified block is accessed.
1	19. The article of manufacture of claim 17, wherein one conditional
2	statements is satisfied if an Input/Output request is directed to a specified block in the
3	conditional statement.
1	20. The article of manufacture of claim 19, wherein processing the prefetch
2	command comprises generating the prefetch command, wherein the operations further
3	comprise:
4	transmitting the generated prefetch command to a storage controller; and
5	transmitting Input/Output (I/O) requests to the storage controller after transmitting
6	the generated prefetch command, wherein the storage controller prefetches the at least
7	one block to prefetch indicated in one prefetch command in response to determining that
8	the I/O request is directed to the specified block in the conditional statement of one
9	prefetch command.
1	21. The article of manufacture of claim 19, wherein processing the prefetch
2	command further comprises:
3	including a duration parameter in the prefetch command indicating a duration of
4	the prefetch command.

1	22. The article of manufacture of claim 17, wherein processing the prefetch
2	command comprises receiving the prefetch command, and wherein the operations further
3	comprise:
4	receiving an Input/Output request directed to a target block;
5	determining whether the target block satisfies the conditional statement of one
6	prefetch command; and
7	prefetching the at least one block to prefetch indicated in the conditional
8	statement of one prefetch command into the cache in response to determining that the
9	target block satisfies the conditional statement of one prefetch command.
1	23. The article of manufacture of claim 22, wherein determining whether the
2	target block satisfies the conditional statement of one prefetch command comprises
3	determining whether the target block satisfies the conditional statement of one unexpired
4	prefetch command.
1	24. The article of manufacture of claim 17, wherein one conditional statement
2	
	includes a plurality of branch conditions, wherein each branch condition indicates one
3	block and is associated with at least one block to prefetch, wherein the operations further
4	comprise:
5	prefetching all blocks to prefetch associated with the branch conditions in the
6	conditional statement; and
7	removing blocks to prefetch from cache associated with branch conditions that are
8	not satisfied in response to determining that the block indicated in one branch condition is
9	accessed.